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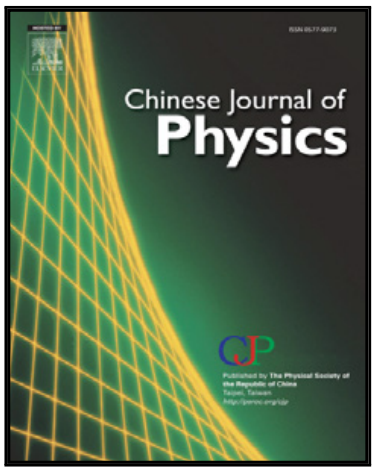

A Mechanical Approach to One-Dimensional Interacting Gas

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Highlights

- Traditional interpretation of the van der Waals equation is actually incorrect.
- The concept of mean field is trickier than we thought.
- For a one-dimensional gas, the idea of particle trajectory can be introduced.

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